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# PULPWOOD PRODUCTION

in the  
NORTH CENTRAL REGION  
BY COUNTY

1973

James E. Blyth

NORTH CENTRAL FOREST EXPERIMENT STATION  
FOREST SERVICE  
U. S. DEPARTMENT OF AGRICULTURE

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1975

PULPWOOD PRODUCTION IN THE NORTH CENTRAL REGION,  
BY COUNTY, 1973

James E. Blyth

This is the 15th annual report on the pulpwood harvest in Lake States counties and the 14th annual report on the Central States harvest. The Lake States (Michigan, Minnesota, and Wisconsin) and Central States (Illinois, Indiana, Iowa, and Missouri) are discussed separately because the timber types in each area are different and less information can be released about the Central States (more detailed data published on pulpwood production and receipts in the Central States would reveal the operations of individual mills).

Quantities shown may vary slightly from one table to another because of rounding differences. These differences are insignificant.

Pulpmills using North Central States timber in 1973 reported their pulpwood receipts by State and county. Their cooperation is gratefully acknowledged. Thanks are also due to Al Boelter, Staff Forester, Forest Resource Development, Michigan Department of Natural Resources, for collecting data on the Michigan pulpmills.

#### LAKE STATES

##### Production Rises 10 Percent

Pulpwood production<sup>1</sup> in the Lake States rose to 4.7 million cords in 1973 from 4.3 million cords in 1972, because pulpmills were operating at a higher rate in 1973. Changes in pulpwood stockpiles during 1973 were nominal compared to the mill inventory at the end of 1972.

<sup>1</sup>Pulpwood production is defined as the pulpwood volume from timber land in a specified area that was received at all mills during 1973, whereas pulpwood receipts are defined as the volume of wood received by mills in a specified area regardless of the geographic source.

All but 2 percent of the pulpwood was consumed in the Lake States (table 1). Nine out of 10 cords were roundwood (including chips from roundwood); the remainder was residue from local wood-using plants.<sup>2</sup> Eighty-four percent of the residue was hardwood. Use of Lake States residue for pulp has climbed an average of 15 percent annually since 1964.

Harvesting of all species, except hemlock, increased. Output of aspen surged higher by 134,000 cords over 1972; harvesting of miscellaneous hardwoods (chiefly maple, elm, ash, and oak) was up by 129,000 cords. More birch pulpwood was cut than ever before.

#### 1973 Pulpwood Production by State

Wisconsin produced 37 percent of the Lake States pulpwood, Michigan 34 percent, and Minnesota 29 percent. Production rose in each of these States.

Wisconsin production rises 221,000 cords.--Demand for hardwoods improved sharply while harvesting of hemlock, pine, and tamarack fell. Wisconsin wood residue shipped to pulpmills rose 46 percent. Four-fifths of the pulpwood output came from northeast and northwest Wisconsin. Top-producing counties were Oneida, Price, and Bayfield.

Michigan expands output 185,000 cords.--Nearly all (98 percent) of the production increase was in hardwoods. Upper Peninsula loggers provided most (75 percent) of the additional roundwood cut. Iron, Baraga, and Delta were the leading pulpwood-producing counties.

<sup>2</sup>Residue is the byproduct from sawmills, veneer mills, cooperage mills, and other wood-using plants that is used for pulping. Residue includes slabs, edgings, veneer cores, sawdust, wood flour, and chips manufactured from these byproducts.

Table 1.--Production and imports of pulpwood, Lake States, 1973

(In standard cords, unpeeled)

| SPECIES AND<br>DESTINATION | PRODUCTION BY STATES 1/ |         |           |         |           | IMPORTS           |                  |         | TOTAL<br>RECEIPTS |
|----------------------------|-------------------------|---------|-----------|---------|-----------|-------------------|------------------|---------|-------------------|
|                            | MICHIGAN                |         | MINNESOTA |         | WISCONSIN | REGIONAL<br>TOTAL | OTHFP<br>U.S. 2/ | CANADA  |                   |
|                            |                         |         |           |         |           |                   |                  |         |                   |
| <b>ASPF</b>                |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 199572                  | 42      | 4801      | 404375  | 0         | 0                 | 0                | 0       | 404375            |
| MINNESOTA                  | 0                       | 404226  | 0         | 609226  | 0         | 9023              | 9023             | 9023    | 612249            |
| WISCONSIN                  | 196054                  | 55822   | 753468    | 1005344 | 0         | 142               | 142              | 142     | 1005486           |
| EXPORTED 3/                | 7713                    | 7257    | 2612      | 17582   | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 403299                  | 672347  | 760881    | 2076527 | 0         | 9165              | 9165             | 9165    | 2028110           |
| <b>RAISIN FIR</b>          |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 36455                   | 0       | 781       | 37236   | 0         | 0                 | 0                | 0       | 37236             |
| MINNESOTA                  | 0                       | 60223   | 0         | 60223   | 0         | 0                 | 0                | 0       | 60223             |
| WISCONSIN                  | 31936                   | 5078    | 66275     | 111289  | 0         | 23                | 23               | 23      | 103312            |
| EXPORTED 3/                | 0                       | 149     | 0         | 149     | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 68391                   | 68450   | 67056     | 200897  | 0         | 23                | 23               | 23      | 200771            |
| <b>ASP</b>                 |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 54701                   | 43      | 4872      | 67596   | 0         | 0                 | 0                | 0       | 63596             |
| MINNESOTA                  | 0                       | 40690   | 0         | 40690   | 0         | 0                 | 0                | 0       | 40690             |
| WISCONSIN                  | 818                     | 46      | 67070     | 47934   | 0         | 0                 | 0                | 0       | 67934             |
| EXPORTED 3/                | 0                       | 1387    | 576       | 1963    | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 59519                   | 42186   | 72478     | 174183  | 0         | 0                 | 0                | 0       | 172220            |
| <b>WFMLCK</b>              |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 74686                   | 0       | 1366      | 34052   | 0         | 0                 | 0                | 0       | 36052             |
| WISCONSIN                  | 22940                   | 0       | 31073     | 54017   | 0         | 0                 | 0                | 0       | 54013             |
| TOTAL                      | 57626                   | 0       | 32479     | 90065   | 0         | 0                 | 0                | 0       | 90065             |
| <b>PINE</b>                |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 133324                  | 0       | 1171      | 134495  | 0         | 0                 | 0                | 0       | 134495            |
| MINNESOTA                  | 0                       | 154221  | 0         | 154221  | 0         | 1100              | 1100             | 1100    | 155321            |
| WISCONSIN                  | 70375                   | 49096   | 23550     | 34991   | 17097     | 145               | 37242            | 387233  |                   |
| EXPORTED 3/                | 0                       | 1467    | 0         | 1467    | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 203859                  | 204984  | 231771    | 640374  | 37097     | 1245              | 38342            | 677049  |                   |
| <b>SUPICE</b>              |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 13823                   | 0       | 196       | 14019   | 0         | 0                 | 0                | 0       | 14019             |
| MINNESOTA                  | 0                       | 141871  | 0         | 141871  | 0         | 500               | 500              | 500     | 142371            |
| WISCONSIN                  | 32474                   | 56939   | 16247     | 105662  | 0         | 118768            | 118768           | 118768  | 224410            |
| EXPORTED 3/                | 0                       | 1465    | 0         | 1465    | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 46299                   | 215275  | 16441     | 278017  | 0         | 119268            | 119268           | 119268  | 380820            |
| <b>TAMARACK</b>            |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 3968                    | 0       | 157       | 4125    | 0         | 0                 | 0                | 0       | 4125              |
| MINNESOTA                  | 0                       | 4436    | 0         | 4436    | 0         | 0                 | 0                | 0       | 4436              |
| WISCONSIN                  | 949                     | 24835   | 1147      | 27971   | 0         | 0                 | 0                | 0       | 27971             |
| TOTAL                      | 4917                    | 32271   | 1344      | 38532   | 0         | 0                 | 0                | 0       | 38532             |
| <b>WISC. HARDWOODS</b>     |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 326129                  | 313     | 24159     | 350601  | 0         | 0                 | 0                | 0       | 350601            |
| MINNESOTA                  | 0                       | 31656   | 0         | 31656   | 0         | 4107              | 4107             | 4107    | 37763             |
| WISCONSIN                  | 30736                   | 115     | 767266    | 799097  | 0         | 0                 | 0                | 0       | 398097            |
| EXPORTED 3/                | 8356                    | 2007    | 8140      | 18503   | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 365221                  | 36091   | 799545    | 880857  | 0         | 4107              | 4107             | 4107    | 786461            |
| <b>TOTAL RIBWOOD</b>       |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 1006618                 | 418     | 37463     | 1044499 | 0         | 0                 | 0                | 0       | 1044499           |
| MINNESOTA                  | 0                       | 1046323 | 0         | 1046323 | 0         | 14730             | 14730            | 14730   | 1061053           |
| WISCONSIN                  | 386244                  | 192931  | 1531126   | 2112301 | 37097     | 119078            | 156175           | 2264476 |                   |
| EXPORTED 3/                | 16169                   | 28932   | 11328     | 68329   | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 1408971                 | 1268604 | 1581917   | 4259452 | 37097     | 173808            | 170905           | 4374028 |                   |
| <b>RESIDUE-SOFTWOOD</b>    |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 11076                   | 0       | 976       | 12052   | 0         | 0                 | 0                | 0       | 12052             |
| MINNESOTA                  | 0                       | 27632   | 0         | 27632   | 25766     | 1992              | 27758            | 27758   | 51390             |
| WISCONSIN                  | 3527                    | 961     | 16741     | 21229   | 253685    | 3607              | 257292           | 257292  | 278571            |
| EXPORTED 3/                | 13025                   | 1084    | 3276      | 17185   | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 27628                   | 25677   | 20993     | 74298   | 279451    | 5599              | 285050           | 341963  |                   |
| <b>RESIDUE-HARDWOOD</b>    |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 113247                  | 0       | 16750     | 129997  | 12333     | 0                 | 12333            | 142330  |                   |
| MINNESOTA                  | 0                       | 82435   | 14510     | 64965   | 1244      | 10264             | 13508            | 110473  |                   |
| WISCONSIN                  | 28476                   | 0       | 120940    | 149456  | 0         | 0                 | 0                | 149456  |                   |
| EXPORTED 3/                | 7151                    | 0       | 3741      | 10332   | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 148874                  | 82435   | 155441    | 386750  | 15577     | 10264             | 25841            | 402259  |                   |
| <b>ALL WOOD MATERIAL</b>   |                         |         |           |         |           |                   |                  |         |                   |
| MICHIGAN                   | 1130941                 | 418     | 55189     | 1146548 | 12333     | 0                 | 12333            | 119881  |                   |
| MINNESOTA                  | 0                       | 1152390 | 14510     | 1146920 | 29010     | 26986             | 55496            | 1222916 |                   |
| WISCONSIN                  | 418247                  | 191892  | 1670847   | 2282986 | 290782    | 122485            | 413467           | 2696463 |                   |
| EXPORTED 3/                | 36245                   | 30016   | 17785     | 84046   | 0         | 0                 | 0                | 0       | 0                 |
| TOTAL                      | 1585433                 | 1376716 | 1758351   | 4720500 | 332125    | 149471            | 481796           | 5118250 |                   |

1/ VERTICAL COLUMNS OF FIGURES UNDER BOX HEADING = PRODUCTION BY STATES= PRESENT THE AMOUNT OF PULPWOOD

CUT IN EACH STATE

2/ MOSTLY WESTERN STATES.

3/ PULPWOOD SHIPPED TO MILLS OUTSIDE OF REGION.

Minnesota production inches up 2 percent.--Demand for Minnesota pulpwood remained strong in 1973 after a major production gain in 1972. Pulpwood producers in northeastern Minnesota furnished 54,000 more cords than in 1972, while output dropped slightly in the Central Pine and Rainy River Units. St. Louis, Koochiching, and Itasca Counties supplied 60 percent of the roundwood.

The distribution of the harvest is shown in two ways: first, the amount of pulpwood cut relative to commercial forest area (fig. 1); second, the amount of pulpwood cut relative to the merchantable volume in major pulpwood species (fig. 2). Heaviest cutting pressure (per 1,000 cords of merchantable volume in principal pulpwood species) was in central and northeast Wisconsin and in Upper Michigan.

#### Receipts Up 11 Percent

Forty-one Lake States plants received 5.1 million cords of pulpwood in 1973. All but two of these plants used aspen in 1973, and more plants used each species than in 1972 (table 2).

Receipts of hemlock and pine fell, but increased for all other species. Procurement of miscellaneous hardwoods outranked pine for the first time. Birch is becoming a major pulpwood source: receipts were double those in 1969. Deliveries of softwood residue in the Lake States rose for the 8th straight year.

Of the imported wood, 31 percent came from Canada and the remainder from various States. Montana, Wyoming, and South Dakota each supplied more than 70,000 cords, primarily as chips. Since 1969, imports of softwood roundwood from other areas of the U.S. have dropped each year, while imports of softwood residue have surged ahead.

Pulpwood marketing advanced 268,000 cords in Michigan in 1973. Every species group, except spruce, shared the gain. Demand for aspen, miscellaneous hardwoods, and hardwood residue was strong.

In Wisconsin, pulpwood demand expanded 246,000 cords over 1972. Aspen, spruce, miscellaneous hardwoods, and softwood residue receipts were significantly higher, while pine receipts declined. Wisconsin is the principal market for softwood residue from western States.

Pulpwood requirements remained steady at Minnesota mills. Roundwood procurement declined (primarily aspen), but was offset by larger purchases of residue.

#### Regional Mill Capacity Stable--Sawmill Interest Increasing

Closure of two small pulpmills had little effect on Lake States mill capacity (table 3). Two large firms, formerly not producing Lake States pulp, purchased mills in Wisconsin.

During the last 2 years, Lake States pulp producers have shown increased interest in sawmills. Some have purchased, built, or expanded sawmills, and some are seeking opportunities to purchase chips from sawmills. Competition between sawmills and pulpmills for stumps has intensified as more sawmills have been built or modified to saw smaller logs.

#### CENTRAL STATES

##### Production Dips 2 Percent

After 5 years of rising output, Central States pulpwood production fell slightly to 454,000 cords in 1973 from 463,000 cords in 1972. More than half (54 percent) of the pulpwood was hardwood residue, the only pulpwood category to increase over 1972. The lower output resulted from smaller pulpwood exports to adjacent States.

Only Illinois produced more pulpwood than in 1972 (table 4). Indiana and Missouri are the major suppliers of pulpwood to mills outside the Central States; their export shipments constituted one-fourth of all Central States pulpwood produced (table 5).

Loggers harvested pulpwood in 135 counties: 44 in Illinois, 43 in Indiana, 35 in Missouri, and 13 in Iowa (fig. 3). Procurement areas in Illinois included several additional counties in the south-central section of the State. In the other States, procurement territories were similar to those in 1972.

##### Receipts Advance 6 Percent

Thirteen Central States' plants received 379,000 cords of pulpwood in 1973 (table 6). Seventeen percent was imported from other States. Additional wood received above the 1972 level was chiefly

hardwood residue. More pulpwood was delivered to Illinois mills than in any previous year.

Pulping capacity remained near 1,500 tons per day (table 7). No significant capacity changes have been reported in the region, but capacity is increasing in

nearby States. Consequently, the decline in exports is likely to be short-lived.

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Other detailed pulpwood production data are found in the Appendix.

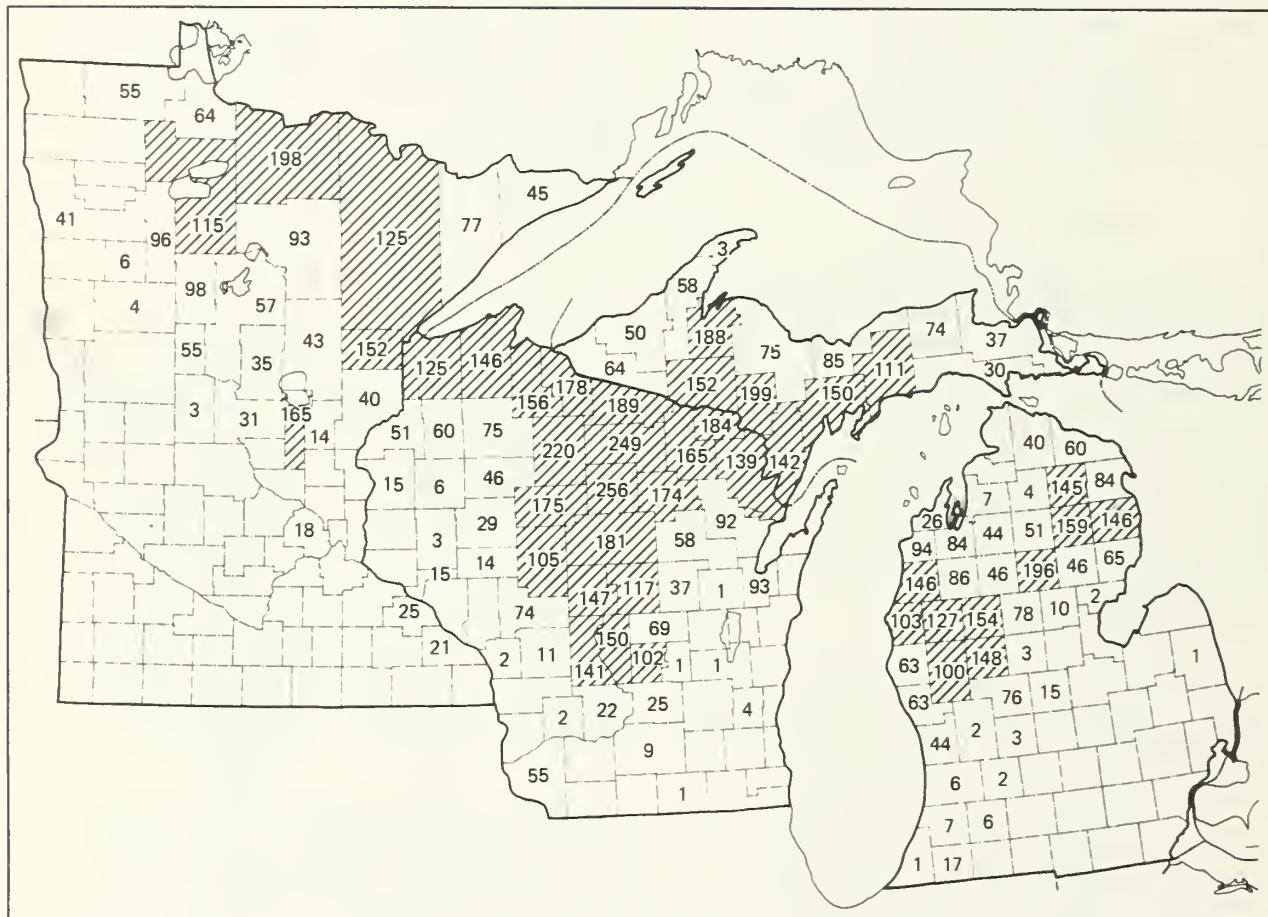


Figure 1.--Cords of pulpwood cut per 1,000 acres of stocked commercial forest land in principal pulpwood-producing counties, 1973. Crosshatching shows counties that supplied 100 or more cords of pulpwood per 1,000 acres of stocked commercial forest land. Acres of stocked commercial forest land were determined during the last forest survey in each State.

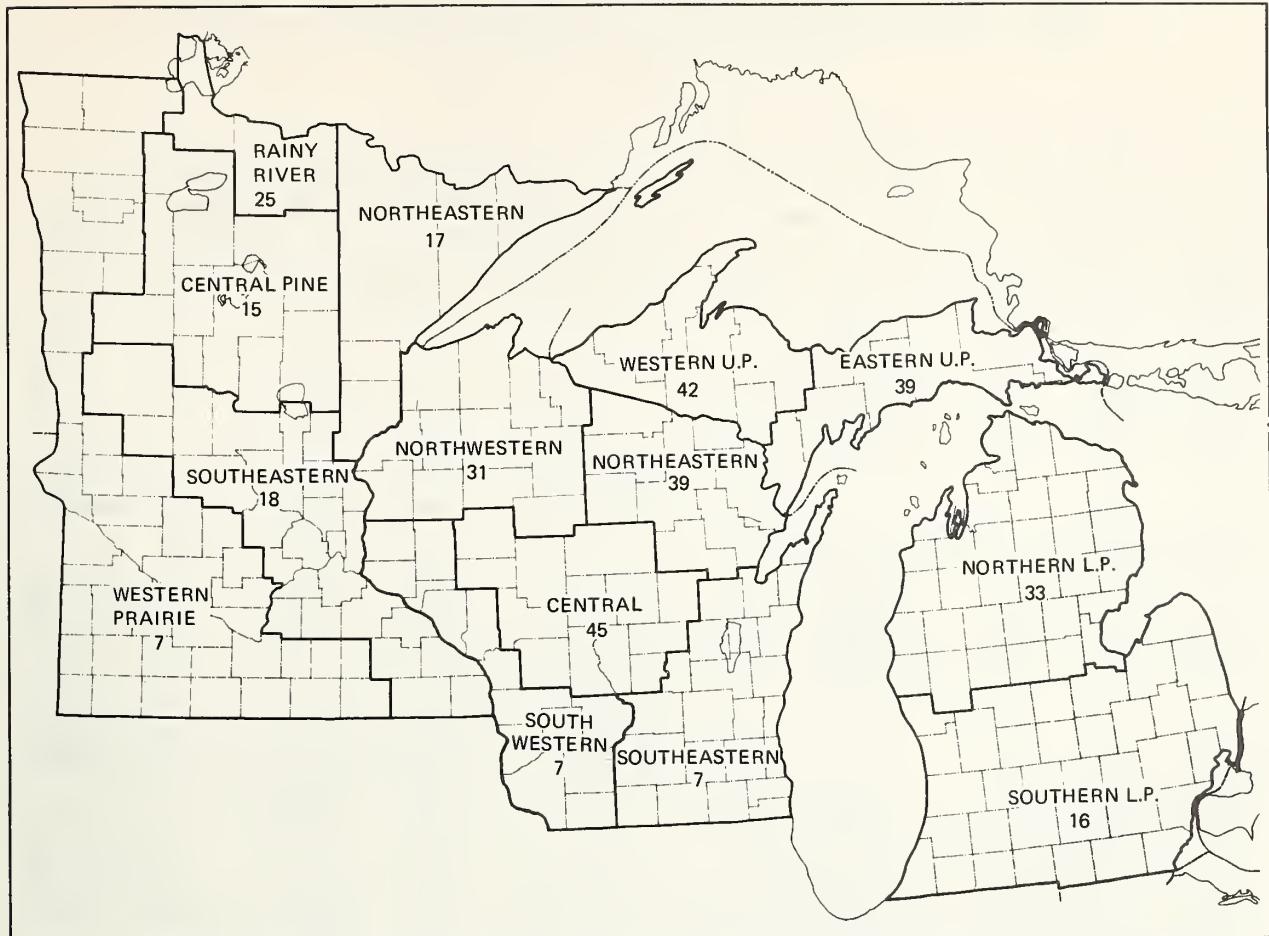


Figure 2.--Cords of pulpwood bolts and logs harvested per 1,000 cords of merchantable volume in principal pulpwood species by Forest Survey Unit, 1973. The heavy lines delineate the boundaries of the Forest Survey Units in each State.

Table 2.--Plants using the different species of wood for pulping in 1973  
(In numbers)

| SPECIES AND KIND<br>OF MATERIAL  | LAKE<br>STATES |           |           |          |
|----------------------------------|----------------|-----------|-----------|----------|
|                                  | MINNESOTA      | WISCONSIN | MICHIGAN  |          |
| ASPEN                            | 39             | 9         | 22        | 8        |
| BALSAM FIR                       | 17             | 5         | 9         | 3        |
| BIRCH                            | 13             | 2         | 8         | 3        |
| HEMLOCK                          | 10             | --        | 9         | 1        |
| PINE                             | 12             | 3         | 5         | 4        |
| SPRUCE                           | 20             | 5         | 12        | 3        |
| TAMARACK                         | 7              | 2         | 4         | 1        |
| MISCELLANEOUS HARDWOODS          | 19             | 2         | 11        | 6        |
| WOOD CHIPS (RESIDUE)             | 16             | 3         | 8         | 5        |
| SLABWOOD AND OTHER<br>RESIDUE    | 6              | 1         | 3         | 2        |
| <b>TOTAL PLANTS<sup>1/</sup></b> | <b>41</b>      | <b>9</b>  | <b>24</b> | <b>8</b> |

1/ SOME PLANTS USE MORE THAN ONE SPECIES, SO NUMBERS IN COLUMNS CANNOT BE ADDED.

Table 3.--Active woodpulp mills in the Lake States, by location, type of pulp produced, and capacity, 1973

| COMPANY                       | LOCATION            | MILL CAPACITY IN TONS PER 24 HOURS 1/ |             |             |             |             |  |
|-------------------------------|---------------------|---------------------------------------|-------------|-------------|-------------|-------------|--|
|                               |                     | TOTAL                                 | SULFITE     | SULFATE     | GROUNDWOOD  | SEMI-       |  |
|                               |                     |                                       | 2/          | 2/          | AND OTHER   | CHEMICAL    |  |
| <b>MICHIGAN:</b>              |                     |                                       |             |             |             |             |  |
| ABITIBI CORP.                 | ALPENA              | 430                                   | 0           | 0           | 430         | 0           |  |
| CELOTIFY CORP.                | LANSF               | 270                                   | 0           | 0           | 270         | 0           |  |
| HOEPNER WALDORF CORP.         | ONTONAGON           | 220                                   | 0           | 0           | 0           | 220         |  |
| MANISTIQUE PULP AND PAPER CO. | MANISTIQUE          | 90                                    | 0           | 0           | 90          | 0           |  |
| MEAD CORP.                    | ESCANABA            | 750                                   | 0           | 600         | 150         | 0           |  |
| MENASHA CORP.                 | OTSEGO              | 225                                   | 0           | 0           | 0           | 225         |  |
| PACKAGING CORP. OF AMERICA    | FILER CITY          | 400                                   | 0           | 0           | 0           | 400         |  |
| WAPPEN CO., S.O.              | MUSKEGON            | 240                                   | 0           | 240         | 0           | 0           |  |
| <b>TOTAL</b>                  | <b>8 PLANTS</b>     | <b>2625</b>                           | <b>0</b>    | <b>840</b>  | <b>940</b>  | <b>845</b>  |  |
| <b>MINNESOTA:</b>             |                     |                                       |             |             |             |             |  |
| BLANDIN PAPER CO.             | GRAND MARAIS        | 220                                   | 0           | 0           | 220         | 0           |  |
| HENKEL PAPER CO.              | LITTLE FALLS        | 75                                    | 0           | 0           | 75          | 0           |  |
| POISE CASCADE CORP.           | INTERNATIONAL FALLS | 770                                   | 0           | 320         | 450         | 0           |  |
| NORTHWEST PAPER CO.           | CLOQUET             | 520                                   | 120         | 400         | 0           | 0           |  |
| SUPERWOOD CORP.               | PEMIDJI             | 90                                    | 0           | 0           | 90          | 0           |  |
| ST. REGIS PAPER CO.           | SAPTELL             | 125                                   | 0           | 0           | 125         | 0           |  |
| SUPERWOOD CORP.               | OUKITUTH            | 240                                   | 0           | 0           | 240         | 0           |  |
| HOEPNER WALDORF CORP.         | ST. PAUL            | 700                                   | 0           | 0           | 0           | 300         |  |
| CONWEED CORP.                 | CLOQUET             | 750                                   | 0           | 0           | 350         | 0           |  |
| <b>TOTAL</b>                  | <b>9 PLANTS</b>     | <b>2690</b>                           | <b>120</b>  | <b>720</b>  | <b>1550</b> | <b>300</b>  |  |
| <b>WISCONSIN:</b>             |                     |                                       |             |             |             |             |  |
| AMERICAN CAN CO.              | GREEN BAY           | 210                                   | 150         | 0           | 60          | 0           |  |
| WEYERHAEUSER CO.              | ROTHSCHILD          | 200                                   | 200         | 0           | 0           | 0           |  |
| PANGER PAPER MILLS            | PESHTIGO            | 110                                   | 110         | 0           | 0           | 0           |  |
| APPLETON PAPERS INC.          | CORBIN/DOOLY LOCKS  | 200                                   | 0           | 0           | 200         | 0           |  |
| CONSOLIDATED PAPERS INC.      | APPLETON            | 180                                   | 180         | 0           | 0           | 0           |  |
| CONSOLIDATED PAPERS INC.      | STEVENS POINT       | 100                                   | 0           | 0           | 100         | 0           |  |
| CONSOLIDATED PAPERS INC.      | WISCONSIN RAPIDS    | 425                                   | 0           | 400         | 225         | 0           |  |
| GREEN RAY PACKAGING INC.      | GREEN RAY           | 200                                   | 0           | 0           | 0           | 200         |  |
| FLAMBEAU PAPER CO.            | PARK FALLS          | 115                                   | 115         | 0           | 0           | 0           |  |
| KIMBERLY-CLARK CORP.          | KIRKREPLY           | 115                                   | 0           | 0           | 115         | 0           |  |
| PENTAIR INDUSTRIES            | NIAGARA             | 150                                   | 0           | 0           | 150         | 0           |  |
| MOSINFF PAPER MILLS CO.       | MOSINFF             | 200                                   | 0           | 200         | 0           | 0           |  |
| MEKOOSA-EDWARDS PAPER CO.     | MEKOOSA             | 210                                   | 0           | 310         | 0           | 0           |  |
| MEKOOSA-EDWARDS PAPER CO.     | PEOT EDWARDS        | 215                                   | 215         | 0           | 0           | 0           |  |
| OWENS-ILLINOIS                | TOMAHAWK            | 620                                   | 0           | 0           | 0           | 620         |  |
| CHARMIN PAPER PRODUCTS CO.    | GREEN RAY           | 2/                                    | 2/          | 2/          | 2/          | 2/          |  |
| SCOTT PAPER CO.               | OCONTO FALLS        | 110                                   | 110         | 0           | 0           | 0           |  |
| ST. REGIS PAPER CO.           | PHINEIANDEP         | 120                                   | 120         | 0           | 0           | 0           |  |
| FLINKOTE COMPANY              | CORNELL             | 50                                    | 0           | 0           | 50          | 0           |  |
| SUPERIOR FIBER PRODUCTS CO.   | SUPERIOR            | 180                                   | 0           | 0           | 180         | 0           |  |
| THILMANY PULP AND PAPER CO.   | KAUKAUNA            | 400                                   | 0           | 400         | 0           | 0           |  |
| TOMAHAWK PULP CO., INC.       | TOMAHAWK            | 50                                    | 0           | 0           | 50          | 0           |  |
| WAUSAU PAPER MILLS CO.        | WPOKAW              | 145                                   | 145         | 0           | 0           | 0           |  |
| EVANS PRODUCTS CO.            | PHILLIPS            | 100                                   | 0           | 0           | 100         | 0           |  |
| <b>TOTAL</b>                  | <b>24 PLANTS</b>    | <b>4705</b>                           | <b>1345</b> | <b>1310</b> | <b>1230</b> | <b>820</b>  |  |
| <b>ALL STATES</b>             | <b>41 PLANTS</b>    | <b>10020</b>                          | <b>1465</b> | <b>2870</b> | <b>3720</b> | <b>1965</b> |  |

1/ LOCKWOOD'S DIRECTORY OF THE PAPER AND ALLIED INDUSTRIES-1974, AND

1974 DIRECTORY OF THE FOREST PRODUCTS INDUSTRY.

2/ CAPACITY NOT AVAILABLE.

Table 4.--Production and imports of pulpwood, Central States, 1973

(In standard cords, unpeeled)<sup>1</sup>

| SPECIES AND<br>DESTINATION | PRODUCTION BY STATES <sup>2/</sup> |               |              |               |               | IMPORTS           |                |               | TOTAL<br>RECEIPTS |
|----------------------------|------------------------------------|---------------|--------------|---------------|---------------|-------------------|----------------|---------------|-------------------|
|                            | ILLINOIS                           |               | IOWA         |               | MISSOURI      | REGIONAL<br>TOTAL | LAKE<br>STATES | OTHER<br>U.S. |                   |
|                            | TELEGRAMS                          | TELEGRAMS     | TELEGRAMS    | TELEGRAMS     | TELEGRAMS     | TELEGRAMS         | TELEGRAMS      | TELEGRAMS     |                   |
| <b>SOFTWOODS</b>           |                                    |               |              |               |               |                   |                |               |                   |
| ILLINOIS                   | 416                                | 0             | 0            | 3408          | 3824          | 0                 | 0              | 0             | 3824              |
| IND., IOWA, MO. 3/         | 0                                  | 0             | 0            | 0             | 0             | 0                 | 400            | 400           | 400               |
| EXPORTED 4/                | 49                                 | 0             | 0            | 414           | 503           | 0                 | 0              | 0             | 0                 |
| <b>TOTAL</b>               | <b>505</b>                         | <b>0</b>      | <b>0</b>     | <b>3822</b>   | <b>4327</b>   | <b>0</b>          | <b>400</b>     | <b>400</b>    | <b>4224</b>       |
| <b>SOFT HARDWOODS</b>      |                                    |               |              |               |               |                   |                |               |                   |
| ILLINOIS                   | 35974                              | 8747          | 0            | 800           | 45481         | 3113              | 183            | 3296          | 48777             |
| IND., IOWA, MO. 3/         | 6430                               | 14129         | 9385         | 10524         | 40468         | 6604              | 2222           | 8826          | 49294             |
| EXPORTED 4/                | 1826                               | 7572          | 0            | 1695          | 11093         | 0                 | 0              | 0             | 0                 |
| <b>TOTAL</b>               | <b>44190</b>                       | <b>20448</b>  | <b>9385</b>  | <b>13019</b>  | <b>97042</b>  | <b>9717</b>       | <b>2405</b>    | <b>12122</b>  | <b>98071</b>      |
| <b>HARD HARWOODS</b>       |                                    |               |              |               |               |                   |                |               |                   |
| ILLINOIS                   | 16344                              | 400           | 0            | 880           | 17624         | 0                 | 0              | 0             | 17624             |
| IND., IOWA, MO. 3/         | 7353                               | 14052         | 18576        | 7457          | 47438         | 5745              | 2519           | 8264          | 55702             |
| EXPORTED 4/                | 1823                               | 19119         | 0            | 11593         | 32535         | 0                 | 0              | 0             | 0                 |
| <b>TOTAL</b>               | <b>25520</b>                       | <b>33571</b>  | <b>18576</b> | <b>19930</b>  | <b>97597</b>  | <b>5745</b>       | <b>2519</b>    | <b>8264</b>   | <b>73326</b>      |
| <b>TOTAL POUNWOOD</b>      |                                    |               |              |               |               |                   |                |               |                   |
| ILLINOIS                   | 52694                              | 9147          | 0            | 5088          | 66929         | 3113              | 183            | 3296          | 70225             |
| IND., IOWA, MO. 3/         | 13783                              | 28181         | 27961        | 17981         | 87906         | 12349             | 5141           | 17490         | 105396            |
| EXPORTED 4/                | 3738                               | 26691         | 0            | 13702         | 44131         | 0                 | 0              | 0             | 0                 |
| <b>TOTAL</b>               | <b>70215</b>                       | <b>64019</b>  | <b>27961</b> | <b>36771</b>  | <b>198966</b> | <b>15462</b>      | <b>5324</b>    | <b>20786</b>  | <b>175621</b>     |
| <b>RESIDUE+SOFTWOOD</b>    |                                    |               |              |               |               |                   |                |               |                   |
| ILLINOIS                   | 5634                               | 0             | 4670         | 1262          | 11566         | 16301             | 4648           | 20949         | 32515             |
| IND., IOWA, MO. 3/         | 0                                  | 0             | 0            | 0             | 0             | 0                 | 4000           | 4000          | 4000              |
| EXPORTED 4/                | 0                                  | 165           | 0            | 0             | 165           | 0                 | 0              | 0             | 0                 |
| <b>TOTAL</b>               | <b>5634</b>                        | <b>165</b>    | <b>4670</b>  | <b>1262</b>   | <b>11731</b>  | <b>16301</b>      | <b>8668</b>    | <b>24949</b>  | <b>36515</b>      |
| <b>RESIDUE+HARDWOOD</b>    |                                    |               |              |               |               |                   |                |               |                   |
| ILLINOIS                   | 40727                              | 4908          | 1193         | 23842         | 80670         | 6651              | 2661           | 9312          | 89982             |
| IND., IOWA, MO. 3/         | 11027                              | 37298         | 12540        | 4674          | 65539         | 3181              | 8079           | 11260         | 76799             |
| EXPORTED 4/                | 17919                              | 41722         | 1735         | 25513         | 96889         | 0                 | 0              | 0             | 0                 |
| <b>TOTAL</b>               | <b>69673</b>                       | <b>83928</b>  | <b>15468</b> | <b>74029</b>  | <b>243098</b> | <b>9832</b>       | <b>10740</b>   | <b>20572</b>  | <b>166781</b>     |
| <b>ALL WOOD MATERIAL</b>   |                                    |               |              |               |               |                   |                |               |                   |
| ILLINOIS                   | 90055                              | 14055         | 5863         | 40192         | 159165        | 26065             | 7492           | 33557         | 192722            |
| IND., IOWA, MO. 3/         | 24910                              | 65479         | 40501        | 22655         | 153445        | 15530             | 17220          | 32750         | 186195            |
| EXPORTED 4/                | 21657                              | 68578         | 1735         | 49215         | 141185        | 0                 | 0              | 0             | 0                 |
| <b>TOTAL</b>               | <b>145522</b>                      | <b>148112</b> | <b>48099</b> | <b>112062</b> | <b>45795</b>  | <b>41595</b>      | <b>24712</b>   | <b>66307</b>  | <b>378917</b>     |

1/ FACTORS USED IN CONVERTING TO STANDARD GREEN CORDS (128 CU. FT.) WERE:

4,500 POUNDS OF SOFT HARWOOD POUNWOOD;

5,000 POUNDS OF HARD HARWOOD OR CONFESSIONAL POUNWOOD;

4,100 POUNDS OF SOFTWOOD CHIPS (GPFFN);

4,400 POUNDS OF HARWOOD CHIPS (GRFFN);

2,500 POUNDS OF CHIPS (ALL SPECIES+OPI).

2/ VERTICAL COLUMNS OF FIGURES UNDER BOX HEADING -PRODUCTION BY STATES- PRESENT THE AMOUNT OF PULPWOOD CUT IN EACH STATE.

3/ COMBINED TO PREVENT DISCLOSURE OF INDIVIDUAL MILL RECEIPTS.

4/ PULPWOOD SHIPPED TO MILLS OUTSIDE THE REGION.

Table 5.--Central States pulpwood production by state and destination, 1969-1973

(In thousand standard cords)

| YEAR | ILLINOIS      |          |           | INDIANA       |          |         | IOWA          |         |          | MISSOURI      |         |          |
|------|---------------|----------|-----------|---------------|----------|---------|---------------|---------|----------|---------------|---------|----------|
|      | : DESTINATION |          | : TOTAL   | : DESTINATION |          | : TOTAL | : DESTINATION |         | : TOTAL  | : DESTINATION |         | : TOTAL  |
|      | : STATES      | : STATES | : CENTRAL | : OTHER       | : STATES | : TOTAL | : CENTRAL     | : OTHER | : STATES | : CENTRAL     | : OTHER | : STATES |
| 1969 | 132           | 128      | 4         | 132           | 107      | 25      | 31            | 30      | 1        | 81            | 71      | 10       |
| 1970 | 118           | 110      | 8         | 148           | 95       | 53      | 58            | 57      | 1        | 82            | 57      | 25       |
| 1971 | 133           | 99       | 34        | 139           | 77       | 62      | 53            | 52      | 1        | 97            | 62      | 35       |
| 1972 | 139           | 103      | 36        | 152           | 71       | 81      | 55            | 54      | 1        | 117           | 78      | 39       |
| 1973 | 146           | 124      | 22        | 148           | 80       | 68      | 48            | 46      | 2        | 112           | 63      | 49       |

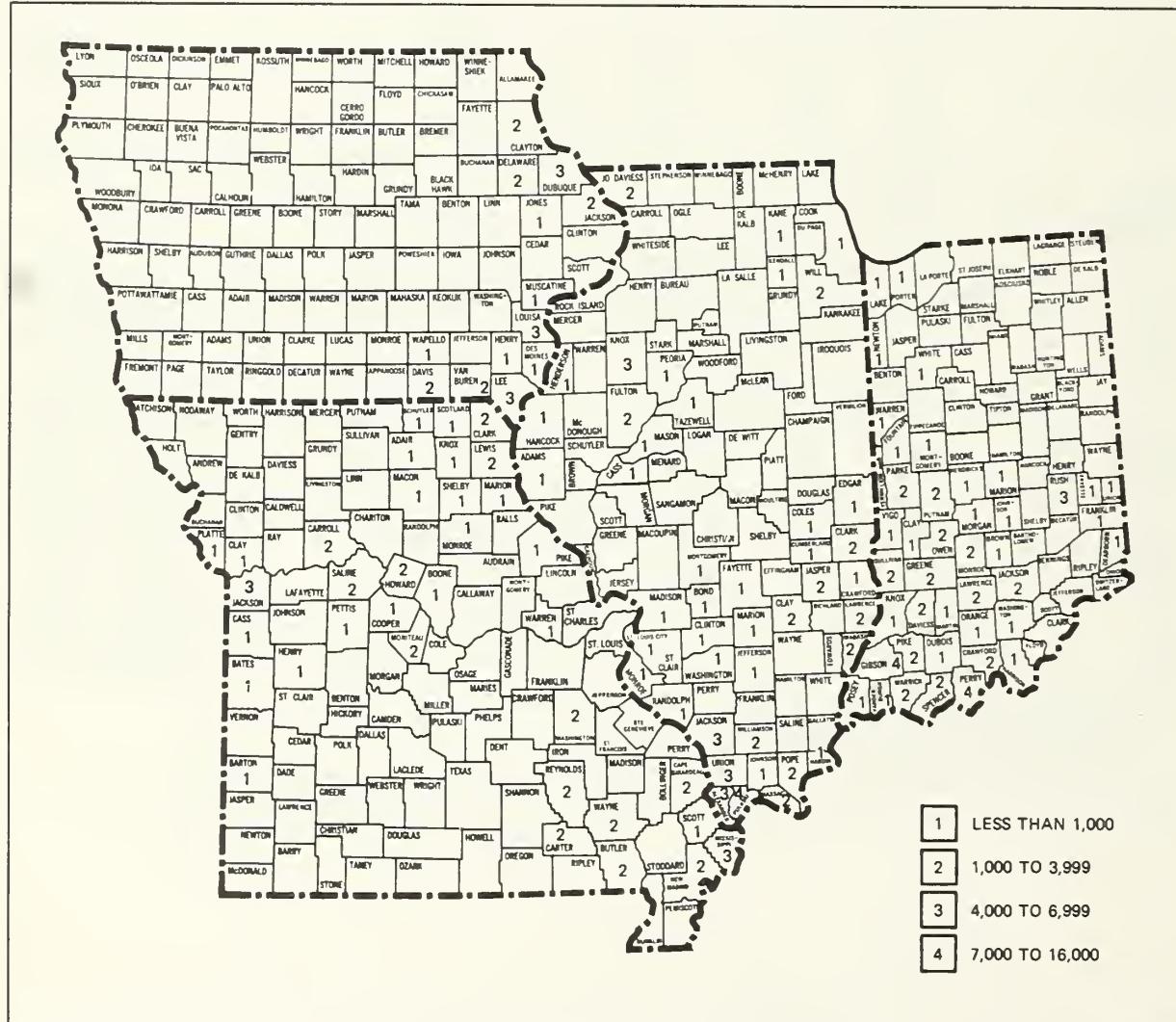


Figure 3.--Harvest of pulpwood bolts in the Central States, by counties, in standard cords, 1973.

Table 6.--Trends in receipts of roundwood and residue as pulpwood, Central States, 1969-1973

(In thousand standard cords, unpeeled)

| TYPE OF MATERIAL AND AREA | 1969       | 1970       | 1971       | 1972       | 1973       |
|---------------------------|------------|------------|------------|------------|------------|
| <b>ROUNDWOOD</b>          |            |            |            |            |            |
| ILLINOIS                  | 50         | 62         | 57         | 67         | 70         |
| INDIANA, IOWA, MISSOURI   | 146        | 131        | 107        | 99         | 106        |
| <b>TOTAL</b>              | <b>196</b> | <b>193</b> | <b>164</b> | <b>166</b> | <b>176</b> |
| <b>RESIDUE</b>            |            |            |            |            |            |
| ILLINOIS                  | 135        | 100        | 107        | 116        | 122        |
| INDIANA, IOWA, MISSOURI   | 64         | 68         | 67         | 74         | 81         |
| <b>TOTAL</b>              | <b>199</b> | <b>168</b> | <b>174</b> | <b>190</b> | <b>203</b> |
| <b>ALL MATERIAL</b>       | <b>395</b> | <b>361</b> | <b>338</b> | <b>356</b> | <b>379</b> |

Table 7.--Active woodpulp mills in the Central States, by location, type of pulp produced, and capacity, 1973

| COMPANY                       | LOCATION         | MILL CAPACITY IN TONS PER 24 HOURS 1/ |          |          |            |                    |
|-------------------------------|------------------|---------------------------------------|----------|----------|------------|--------------------|
|                               |                  | TOTAL                                 | SULFITE  | SULFATE  | GROUNDWOOD | SEMI-<br>AND OTHER |
|                               |                  |                                       |          |          | MECHANICAL |                    |
| <b>ILLINOIS:</b>              |                  |                                       |          |          |            |                    |
| ALTON BOX BOARD CO.           | ALTON            | 300                                   | 0        | 0        | 0          | 300                |
| BIRD AND SON, INC.            | CHICAGO          | 40                                    | 0        | 0        | 40         | 0                  |
| CELOTEX CORP.                 | PEORIA           | 190                                   | 0        | 0        | 190        | 0                  |
| CELTAIN-TEED PRODUCTS CORP.   | EAST ST. LOUIS   | 100                                   | 0        | 0        | 100        | 0                  |
| FLINTKOTE CO. + THE           | MT. CARMEL       | 40                                    | 0        | 0        | 40         | 0                  |
| GAF CORP.                     | JOLIET           | 100                                   | 0        | 0        | 100        | 0                  |
| JOHNS-MANVILLE PRODUCTS CORP. | WAUKESHA         | 65                                    | 0        | 0        | 65         | 0                  |
| CELOTEX CORP.                 | WILMINGTON       | 30                                    | 0        | 0        | 30         | 0                  |
| <b>TOTAL</b>                  | <b>8 PLANTS</b>  | <b>865</b>                            | <b>0</b> | <b>0</b> | <b>565</b> | <b>300</b>         |
| <b>INDIANA:</b>               |                  |                                       |          |          |            |                    |
| WESTON PAPER AND MFG. CO.     | TERRE HAUTE      | 270                                   | 0        | 0        | 0          | 270                |
| <b>TOTAL</b>                  | <b>1 PLANT</b>   | <b>270</b>                            | <b>0</b> | <b>0</b> | <b>0</b>   | <b>270</b>         |
| <b>IOWA:</b>                  |                  |                                       |          |          |            |                    |
| CELOTEX CORP.                 | DURRIDGE         | 90                                    | 0        | 0        | 0          | 90                 |
| CONSOLIDATED PACKAGING CORP.  | FORT MADISON     | 140                                   | 0        | 0        | 0          | 140                |
| <b>TOTAL</b>                  | <b>2 PLANTS</b>  | <b>230</b>                            | <b>0</b> | <b>0</b> | <b>0</b>   | <b>230</b>         |
| <b>MISSOURI:</b>              |                  |                                       |          |          |            |                    |
| GAF CORP.                     | KANSAS CITY      | 90                                    | 0        | 0        | 90         | 0                  |
| HUBERT FIBERBOARD, INC.       | BOONEVILLE       | 60                                    | 0        | 0        | 60         | 0                  |
| <b>TOTAL</b>                  | <b>2 PLANTS</b>  | <b>150</b>                            | <b>0</b> | <b>0</b> | <b>150</b> | <b>0</b>           |
| <b>ALL STATES</b>             | <b>13 PLANTS</b> | <b>1515</b>                           | <b>0</b> | <b>0</b> | <b>715</b> | <b>800</b>         |

1/ LOCKWOOD'S DIRECTORY OF THE PAPER AND ALLIED INDUSTRIES-1974, AND  
1974 DIRECTORY OF THE FOREST PRODUCTS INDUSTRY.

2/ CAPACITY NOT AVAILABLE.

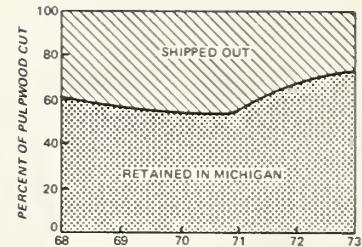
## APPENDIX

Table 8.--*Lake States pulpwood production, by state of origin and destination, 1969-1973*

(In thousand standard cords)

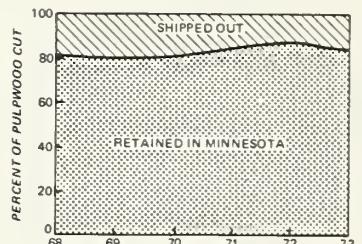
### MICHIGAN

| YEAR           | DESTINATION OF PULPWOOD |         |           |           |          |
|----------------|-------------------------|---------|-----------|-----------|----------|
|                | : TOTAL :               | : CUT : | MINNESOTA | WISCONSIN | MICHIGAN |
|                |                         |         |           |           | OTHER    |
| 1969           | 1,302                   | --      | 537       | 752       | 13       |
| 1970           | 1,406                   | --      | 610       | 785       | 11       |
| 1971           | 1,267                   | --      | 567       | 688       | 12       |
| 1972           | 1,401                   | --      | 470       | 917       | 14       |
| 1973           | 1,585                   | --      | 418       | 1,131     | 36       |
| 5-YEAR AVERAGE | 1,392                   | --      | 520       | 855       | 17       |



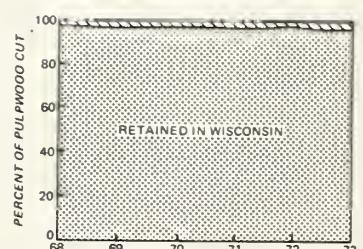
### MINNESOTA

| YEAR           | DESTINATION OF PULPWOOD |         |           |           |          |
|----------------|-------------------------|---------|-----------|-----------|----------|
|                | : TOTAL :               | : CUT : | MINNESOTA | WISCONSIN | MICHIGAN |
|                |                         |         |           |           | OTHER    |
| 1969           | 1,192                   | 977     | 188       | --        | 27       |
| 1970           | 1,224                   | 981     | 219       | *         | 24       |
| 1971           | 1,196                   | 992     | 188       | *         | 16       |
| 1972           | 1,354                   | 1,168   | 166       | --        | 20       |
| 1973           | 1,376                   | 1,152   | 194       | *         | 30       |
| 5-YEAR AVERAGE | 1,268                   | 1,054   | 191       | *         | 23       |



### WISCONSIN

| YEAR           | DESTINATION OF PULPWOOD |         |           |           |          |
|----------------|-------------------------|---------|-----------|-----------|----------|
|                | : TOTAL :               | : CUT : | MINNESOTA | WISCONSIN | MICHIGAN |
|                |                         |         |           |           | OTHER    |
| 1969           | 1,450                   | 17      | 1,412     | 9         | 12       |
| 1970           | 1,656                   | 11      | 1,627     | 10        | 8        |
| 1971           | 1,552                   | 35      | 1,502     | *         | 15       |
| 1972           | 1,537                   | 28      | 1,493     | 2         | 14       |
| 1973           | 1,758                   | 14      | 1,671     | 55        | 18       |
| 5-YEAR AVERAGE | 1,590                   | 21      | 1,541     | 15        | 13       |



\*Less than 500 cords.

Table 9.--Lake States pulpwood production, by Forest Survey Unit and destination by state, 1973

(In hundred standard cords, roughwood basis)

|                    |                  | MICHIGAN                |           |           |       |                |
|--------------------|------------------|-------------------------|-----------|-----------|-------|----------------|
| UNIT               | : TOTAL :<br>CUT | DESTINATION OF PULPWOOD |           |           |       | : OTHER :<br>7 |
|                    |                  | MICHIGAN                | MINNESOTA | WISCONSIN | OTHER |                |
| E. UPPER PENINSULA | 3992             | 2430                    | 0         | 1555      | 7     |                |
| W. UPPER PENINSULA | 5631             | 2835                    | 0         | 2628      | 168   |                |
| N. LOWER PENINSULA | 5557             | 5404                    | 0         | 0         | 153   |                |
| S. LOWER PENINSULA | 674              | 640                     | 0         | 0         | 34    |                |
| TOTAL              | 15854            | 11309                   | 0         | 4181      | 362   |                |

|                 |                  | MINNESOTA               |           |           |       |                  |
|-----------------|------------------|-------------------------|-----------|-----------|-------|------------------|
| UNIT            | : TOTAL :<br>CUT | DESTINATION OF PULPWOOD |           |           |       | : OTHER :<br>113 |
|                 |                  | MICHIGAN                | MINNESOTA | WISCONSIN | OTHER |                  |
| NORTHEASTERN    | 5457             | 0                       | 4272      | 1072      | 113   |                  |
| CENTRAL RIVER   | 4465             | 4                       | 3662      | 713       | 86    |                  |
| RAINY RIVER     | 3154             | 0                       | 2954      | 104       | 96    |                  |
| SOUTHEASTERN    | 529              | 0                       | 512       | 17        | 5     |                  |
| WESTERN PRAIRIE | 162              | 0                       | 124       | 38        | 0     |                  |
| TOTAL           | 13767            | 4                       | 11524     | 1939      | 300   |                  |

|              |                  | WISCONSIN               |           |           |       |                |
|--------------|------------------|-------------------------|-----------|-----------|-------|----------------|
| UNIT         | : TOTAL :<br>CUT | DESTINATION OF PULPWOOD |           |           |       | : OTHER :<br>0 |
|              |                  | MICHIGAN                | MINNESOTA | WISCONSIN | OTHER |                |
| NORTHEASTERN | 7494             | 497                     | 0         | 6997      | 0     |                |
| NORTHWESTERN | 6546             | 55                      | 87        | 6394      | 5     |                |
| CENTRAL      | 3008             | 0                       | 29        | 2944      | 33    |                |
| SOUTHWESTERN | 753              | 0                       | 29        | 213       | 111   |                |
| SOUTHEASTERN | 184              | 0                       | 0         | 154       | 30    |                |
| TOTAL        | 17585            | 552                     | 145       | 16709     | 179   |                |

Table 10.--Lake States pulpwood production by species, state, and Survey Unit, 1969-1973

(In thousand standard cords, roughwood basis)

| MICHIGAN               |                   |      |      |      |      |                   |      |      |      |      |
|------------------------|-------------------|------|------|------|------|-------------------|------|------|------|------|
| UNIT                   | ASPEN             |      |      |      |      | BALSAM FIR        |      |      |      |      |
|                        | ANNUAL PRODUCTION |      |      |      |      | ANNUAL PRODUCTION |      |      |      |      |
|                        | 1969              | 1970 | 1971 | 1972 | 1973 | 1969              | 1970 | 1971 | 1972 | 1973 |
| E. 1/2 UPPER PENINSULA | 119               | 124  | 125  | 89   | 93   | 27                | 41   | 26   | 33   | 41   |
| W. 1/2 UPPER PENINSULA | 184               | 180  | 177  | 188  | 188  | 16                | 25   | 25   | 24   | 26   |
| N. 1/2 LOWER PENINSULA | 296               | 288  | 242  | 241  | 275  | 1                 | *    | 1    | 3    | 2    |
| S. 1/2 LOWER PENINSULA | 7                 | 4    | 3    | 11   | 10   | --                | --   | --   | --   | --   |
| TOTAL                  | 606               | 596  | 547  | 529  | 603  | 44                | 66   | 52   | 60   | 69   |

| MINNESOTA       |     |     |     |     |     |    |    |    |    |    |
|-----------------|-----|-----|-----|-----|-----|----|----|----|----|----|
| NORTHEASTERN    | 204 | 208 | 205 | 241 | 284 | 10 | 9  | 9  | 9  | 13 |
| CENTRAL PINE    | 289 | 249 | 246 | 260 | 221 | 18 | 22 | 20 | 26 | 28 |
| RAINY RIVER     | 148 | 127 | 135 | 160 | 142 | 12 | 14 | 11 | 31 | 24 |
| SOUTHEASTERN    | 5   | 11  | 20  | 25  | 24  | -- | *  | -- | -- | -- |
| WESTERN PRAIRIE | 14  | 5   | 2   | 3   | 2   | -- | -- | -- | -- | *  |
| TOTAL           | 660 | 600 | 608 | 689 | 673 | 40 | 45 | 40 | 66 | 65 |

| WISCONSIN    |       |       |       |       |       |     |     |     |     |     |
|--------------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|
| NORtheastern | 416   | 430   | 402   | 349   | 380   | 28  | 40  | 35  | 25  | 34  |
| NORTHwestern | 244   | 296   | 302   | 311   | 331   | 22  | 29  | 19  | 23  | 32  |
| CENTRAL      | 35    | 44    | 31    | 23    | 46    | *   | *   | *   | 1   | 1   |
| SOUTHWESTERN | *     | *     | --    | 1     | 3     | --  | --  | --  | --  | --  |
| SOUTHEASTERN | 2     | 1     | 1     | *     | 1     | --  | --  | --  | --  | --  |
| TOTAL        | 697   | 771   | 736   | 684   | 761   | 50  | 69  | 54  | 49  | 67  |
| LAKE STATES  | 1,963 | 1,967 | 1,891 | 1,902 | 2,037 | 134 | 180 | 146 | 175 | 201 |

\*LESS THAN 500 CORDS.

(Table 10 continued on next page)

Table 10 (continued)

## MICHIGAN

| UNIT                   | BIRCH             |      |      |      |      | HEMLOCK           |      |      |      |      |
|------------------------|-------------------|------|------|------|------|-------------------|------|------|------|------|
|                        | ANNUAL PRODUCTION |      |      |      |      | ANNUAL PRODUCTION |      |      |      |      |
|                        | 1969              | 1970 | 1971 | 1972 | 1973 | 1969              | 1970 | 1971 | 1972 | 1973 |
| E. 1/2 UPPER PENINSULA | 1                 | 4    | 1    | 10   | 19   | 11                | 17   | E    | 17   | 22   |
| W. 1/2 UPPER PENINSULA | 1                 | 2    | 3    | 7    | 16   | S2                | 52   | 34   | 33   | 36   |
| N. 1/2 LOWER PENINSULA | 21                | 27   | 19   | 19   | 25   | *                 | *    | --   | --   | --   |
| S. 1/2 LOWER PENINSULA | *                 | --   | --   | --   | --   | --                | --   | --   | --   | --   |
| TOTAL                  | 23                | 33   | 23   | 36   | 60   | 63                | 69   | 42   | 50   | 58   |
| MINNESOTA              |                   |      |      |      |      |                   |      |      |      |      |
| NORTHEASTERN           | 3                 | 17   | 8    | 15   | 17   | --                | --   | --   | --   | --   |
| CENTRAL PINE           | *                 | 12   | 26   | 26   | 23   | --                | --   | --   | --   | --   |
| RAINY RIVER            | --                | 2    | 1    | 1    | 1    | --                | --   | --   | --   | --   |
| SOUTHEASTERN           | --                | --   | *    | *    | 1    | --                | --   | --   | --   | --   |
| WESTERN PRAIRIE        | --                | *    | --   | --   | --   | --                | --   | --   | --   | --   |
| TOTAL                  | 3                 | 31   | 35   | 42   | 42   | --                | --   | --   | --   | --   |
| WISCONSIN              |                   |      |      |      |      |                   |      |      |      |      |
| NORTHEASTERN           | 23                | 32   | 22   | 20   | 30   | 32                | 33   | 28   | 26   | 21   |
| NORTHWESTERN           | 37                | 42   | 28   | 26   | 40   | 16                | 16   | 13   | 13   | 10   |
| CENTRAL                | 3                 | 2    | 1    | *    | 1    | 3                 | 3    | 1    | 2    | 1    |
| SOUTHWESTERN           | --                | --   | --   | 1    | 1    | --                | --   | --   | --   | --   |
| SOUTHEASTERN           | --                | --   | --   | --   | --   | --                | --   | --   | --   | *    |
| TOTAL                  | 63                | 76   | 51   | 47   | 72   | 51                | 52   | 42   | 41   | 32   |
| LAKE STATES            | 89                | 140  | 109  | 125  | 174  | 114               | 121  | 84   | 91   | 90   |

\*LESS THAN 500 CORDS.

## MICHIGAN

| UNIT                   | PINE              |      |      |      |      | SPRUCE            |      |      |      |      |
|------------------------|-------------------|------|------|------|------|-------------------|------|------|------|------|
|                        | ANNUAL PRODUCTION |      |      |      |      | ANNUAL PRODUCTION |      |      |      |      |
|                        | 1969              | 1970 | 1971 | 1972 | 1973 | 1969              | 1970 | 1971 | 1972 | 1973 |
| E. 1/2 UPPER PENINSULA | S9                | 57   | 80   | 84   | 67   | 20                | 29   | 22   | 20   | 28   |
| W. 1/2 UPPER PENINSULA | 38                | 34   | 41   | 37   | 36   | 18                | 22   | 22   | 18   | 16   |
| N. 1/2 LOWER PENINSULA | 109               | 145  | 110  | 102  | 88   | 1                 | *    | 1    | --   | *    |
| S. 1/2 LOWER PENINSULA | 1                 | 4    | 4    | 5    | 12   | --                | --   | --   | --   | --   |
| TOTAL                  | 207               | 240  | 235  | 228  | 203  | 39                | S1   | 45   | 38   | 46   |
| MINNESOTA              |                   |      |      |      |      |                   |      |      |      |      |
| NORTHEASTERN           | 133               | 123  | 119  | 121  | 113  | 66                | 64   | 64   | 76   | 83   |
| CENTRAL PINE           | 74                | 68   | 57   | 66   | 68   | 27                | 31   | 29   | 35   | 35   |
| RAINY RIVER            | 18                | 19   | 26   | 19   | 17   | 60                | 85   | 74   | 80   | 92   |
| SOUTHEASTERN           | *                 | 1    | *    | 1    | 1    | *                 | *    | --   | --   | --   |
| WESTERN PRAIRIE        | 12                | 10   | 12   | 9    | 6    | 1                 | 1    | 1    | 1    | 5    |
| TOTAL                  | 237               | 221  | 214  | 216  | 205  | 154               | 181  | 168  | 192  | 215  |
| WISCONSIN              |                   |      |      |      |      |                   |      |      |      |      |
| NORTHEASTERN           | 63                | 72   | 68   | 53   | 43   | 10                | 12   | 9    | 9    | 10   |
| NORTHWESTERN           | 77                | 96   | 105  | 99   | 100  | 3                 | 4    | 3    | 4    | 6    |
| CENTRAL                | 75                | 87   | 93   | 90   | 85   | *                 | *    | *    | *    | --   |
| SOUTHWESTERN           | *                 | 2    | 1    | 2    | 3    | --                | --   | --   | --   | --   |
| SOUTHEASTERN           | 1                 | 2    | 1    | 2    | 1    | --                | --   | --   | --   | --   |
| TOTAL                  | 216               | 259  | 268  | 246  | 232  | 13                | 16   | 12   | 13   | 16   |
| LAKE STATES            | 660               | 720  | 717  | 690  | 640  | 206               | 248  | 225  | 243  | 277  |

\*LESS THAN 500 CORDS.

(Table 10 continued on next page)

(Table 10 continued)

## MICHIGAN

| UNIT                   | TAMARACK          |      |      |      |      | MISCELLANEOUS HARWOODS |      |      |      |      |
|------------------------|-------------------|------|------|------|------|------------------------|------|------|------|------|
|                        | ANNUAL PRODUCTION |      |      |      |      | ANNUAL PRODUCTION      |      |      |      |      |
|                        | 1969              | 1970 | 1971 | 1972 | 1973 | 1969                   | 1970 | 1971 | 1972 | 1973 |
| E. 1/2 UPPER PENINSULA | 1                 | 2    | 1    | 2    | 2    | 10                     | 18   | 14   | 50   | 93   |
| W. 1/2 UPPER PENINSULA | 1                 | 1    | 2    | 1    | 3    | 38                     | 28   | 41   | 97   | 123  |
| N. 1/2 LOWER PENINSULA | --                | --   | --   | --   | --   | 141                    | 143  | 136  | 153  | 145  |
| S. 1/2 LOWER PENINSULA | --                | --   | --   | --   | --   | 7                      | 7    | 6    | 9    | 5    |
| TOTAL                  | 2                 | 3    | 3    | 3    | 5    | 196                    | 196  | 197  | 309  | 366  |
| MINNEOTA               |                   |      |      |      |      |                        |      |      |      |      |
| NORTHEASTERN           | 4                 | 5    | 4    | 4    | 4    | 11                     | 14   | 12   | 11   | 14   |
| CENTRAL PINE           | 14                | 23   | 22   | 19   | 16   | 11                     | 3    | *    | 1    | 1    |
| RAINY RIVER            | 2                 | 7    | 5    | 8    | 11   | 8                      | 9    | 9    | 18   | 16   |
| SOUTHEASTERN           | --                | --   | --   | --   | 1    | 1                      | 1    | 9    | --   | 5    |
| WESTERN PRAIRIE        | 1                 | 1    | 1    | *    | 1    | 1                      | --   | --   | --   | --   |
| TOTAL                  | 21                | 36   | 32   | 31   | 33   | 32                     | 27   | 30   | 30   | 36   |
| WI5CONIN               |                   |      |      |      |      |                        |      |      |      |      |
| NORTHEASTERN           | 1                 | 2    | 2    | 2    | 1    | 87                     | 110  | 105  | 128  | 150  |
| NORTHWESTERN           | 1                 | 2    | 1    | 1    | *    | 61                     | 79   | 67   | 84   | 104  |
| CENTRAL                | *                 | *    | *    | *    | --   | 81                     | 99   | 89   | 111  | 136  |
| SOUTHWESTERN           | --                | --   | --   | --   | --   | 5                      | 4    | 5    | 5    | 6    |
| SOUTHEASTERN           | --                | --   | --   | --   | --   | 4                      | 4    | 3    | 5    | 4    |
| TOTAL                  | 2                 | 4    | 3    | 3    | 1    | 238                    | 296  | 269  | 333  | 400  |
| LAKE STATES            | 25                | 43   | 38   | 37   | 39   | 466                    | 519  | 496  | 672  | 802  |

\*LESS THAN 500 CORDS.

## MICHIGAN

| UNIT                   | RESIDUE           |      |      |      |      | ALL SPECIES <sup>1/</sup> |       |       |       |       |
|------------------------|-------------------|------|------|------|------|---------------------------|-------|-------|-------|-------|
|                        | ANNUAL PRODUCTION |      |      |      |      | ANNUAL PRODUCTION         |       |       |       |       |
|                        | 1969              | 1970 | 1971 | 1972 | 1973 | 1969                      | 1970  | 1971  | 1972  | 1973  |
| E. 1/2 UPPER PENINSULA | 29                | 37   | 40   | 36   | 35   | 277                       | 329   | 317   | 344   | 400   |
| W. 1/2 UPPER PENINSULA | 54                | 63   | 36   | 54   | 80   | 402                       | 407   | 381   | 460   | 563   |
| N. 1/2 LOWER PENINSULA | 6                 | 12   | 12   | 20   | 21   | 575                       | 615   | 521   | 538   | 556   |
| S. 1/2 LOWER PENINSULA | 33                | 40   | 35   | 33   | 40   | 48                        | 55    | 48    | 58    | 67    |
| TOTAL                  | 122               | 152  | 123  | 143  | 176  | 1,302                     | 1,406 | 1,267 | 1,400 | 1,586 |
| MINNEOTA               |                   |      |      |      |      |                           |       |       |       |       |
| NORTHEASTERN           | 6                 | 12   | 12   | 15   | 18   | 437                       | 452   | 433   | 492   | 546   |
| CENTRAL PINE           | 4                 | 28   | 26   | 33   | 55   | 437                       | 436   | 426   | 466   | 447   |
| RAINY RIVER            | 5                 | 5    | 8    | 8    | 12   | 253                       | 268   | 269   | 325   | 315   |
| SOUTHEASTERN           | 30                | 38   | 23   | 32   | 21   | 36                        | 51    | 52    | 58    | 53    |
| WESTERN PRAIRIE        | --                | --   | --   | --   | 2    | 29                        | 17    | 16    | 13    | 16    |
| TOTAL                  | 45                | 83   | 69   | 88   | 108  | 1,192                     | 1,224 | 1,196 | 1,354 | 1,377 |
| WI5CONIN               |                   |      |      |      |      |                           |       |       |       |       |
| NORTHEASTERN           | 49                | 43   | 42   | 43   | 80   | 709                       | 774   | 713   | 655   | 749   |
| NORTHWESTERN           | 17                | 17   | 17   | 18   | 32   | 478                       | 581   | 555   | 579   | 655   |
| CENTRAL                | 16                | 20   | 24   | 20   | 31   | 213                       | 255   | 239   | 247   | 301   |
| SOUTHWESTERN           | 27                | 24   | 26   | 27   | 22   | 32                        | 30    | 32    | 36    | 35    |
| SOUTHEASTERN           | 11                | 9    | 8    | 13   | 12   | 18                        | 16    | 13    | 20    | 18    |
| TOTAL                  | 120               | 113  | 117  | 121  | 177  | 1,450                     | 1,656 | 1,552 | 1,537 | 1,758 |
| LAKE STATES            | 287               | 348  | 309  | 352  | 461  | 3,944                     | 4,286 | 4,015 | 4,291 | 4,721 |

1/ INCLUDES RESIDUE.

Table 11.--Lake States pulpwood production by county and species, 1973

(In hundred standard cords, roughwood basis)

## MICHIGAN

| UNIT<br>AND COUNTY        | 1/    | ALL<br>SPECIES | ASPBEN | RAISAN | RIPCH | HFCH | LICK | PINE | SPRUCE | TAM | MISC. | APACK | HOYDS. | CFMAP | PESIDUEFS |
|---------------------------|-------|----------------|--------|--------|-------|------|------|------|--------|-----|-------|-------|--------|-------|-----------|
| <b>E. UPPR PENINSULA</b>  |       |                |        |        |       |      |      |      |        |     |       |       |        |       |           |
| ALGER                     | 454   | 50             | 28     | 74     | 29    | 112  | 10   | 3    | 184    | 0   |       |       |        |       |           |
| CHEMPEWA                  | 240   | 40             | 22     | 16     | 23    | 91   | 12   | 3    | 73     | 0   |       |       |        |       |           |
| DEITA                     | 932   | 224            | 110    | 46     | 30    | 161  | 122  | 4    | 224    | 0   |       |       |        |       |           |
| DUKE                      | 791   | 24             | 74     | 21     | 41    | 138  | 27   | 4    | 102    | 0   |       |       |        |       |           |
| MACKINAC                  | 164   | 21             | 14     | 17     | 0     | 39   | 6    | 1    | 62     | 0   |       |       |        |       |           |
| MENOMINEE                 | 722   | 458            | 97     | 11     | 20    | 6    | 45   | 3    | 82     | 0   |       |       |        |       |           |
| SCHOOLCRAFT               | 701   | 115            | 100    | 42     | 54    | 126  | 57   | 6    | 201    | 0   |       |       |        |       |           |
| TOTAL                     | 3995  | 974            | 405    | 146    | 215   | 673  | 270  | 24   | 920    | 0   |       |       |        |       | 351       |
| <b>W. UPPR PENINSULA</b>  |       |                |        |        |       |      |      |      |        |     |       |       |        |       |           |
| BARAGA                    | 999   | 795            | 75     | 60     | 77    | 77   | 10   | 6    | 334    | 0   |       |       |        |       |           |
| DICKINSON                 | 849   | 680            | 39     | 26     | 20    | 38   | 44   | 4    | 136    | 0   |       |       |        |       |           |
| GODFREY                   | 404   | 156            | 20     | 3      | 108   | 9    | 5    | 1    | 100    | 0   |       |       |        |       |           |
| HOLTON                    | 723   | 150            | 12     | 6      | 20    | 13   | 4    | 1    | 117    | 0   |       |       |        |       |           |
| IRON                      | 1040  | 540            | 81     | 22     | 30    | 38   | 64   | 4    | 262    | 0   |       |       |        |       |           |
| MUSKEGAM                  | 6     | x              | 2      | x      | x     | 0    | 2    | 0    | 2      | 0   |       |       |        |       |           |
| MUSKEGAM                  | 912   | 204            | 67     | 38     | 74    | 173  | 57   | 9    | 194    | 0   |       |       |        |       |           |
| ONTONAGON                 | 780   | 224            | 8      | 5      | 27    | 2    | 7    | 1    | 42     | 0   |       |       |        |       |           |
| TOTAL                     | 5632  | 2251           | 264    | 160    | 761   | 356  | 184  | 26   | 1231   | 0   |       |       |        |       | 799       |
| <b>N. LOWER PENINSULA</b> |       |                |        |        |       |      |      |      |        |     |       |       |        |       |           |
| ALBION                    | 461   | 295            | 1      | 31     | 0     | 7    | x    | 0    | 127    | 0   |       |       |        |       |           |
| ALPENA                    | 170   | 42             | 9      | 24     | 0     | 25   | 1    | 0    | 29     | 0   |       |       |        |       |           |
| ANTRIM                    | 14    | 11             | 0      | 1      | 0     | 1    | 0    | 0    | 1      | 0   |       |       |        |       |           |
| ANTRIM                    | 2     | 1              | 0      | 0      | 0     | 0    | 0    | 0    | 1      | 0   |       |       |        |       |           |
| BEAUMIE                   | 112   | 63             | 0      | 4      | 0     | 0    | 0    | 0    | 46     | 0   |       |       |        |       |           |
| CHEMONGAM                 | 133   | 60             | 1      | 25     | 0     | 21   | x    | 0    | 26     | 0   |       |       |        |       |           |
| CLAYE                     | 174   | 121            | 0      | 10     | 0     | 15   | 0    | 0    | 26     | 0   |       |       |        |       |           |
| CRAWFORD                  | 151   | 11             | 0      | 0      | 0     | 138  | 0    | 0    | 2      | 0   |       |       |        |       |           |
| GRATIN                    | 18    | 11             | 0      | 1      | 0     | 5    | 0    | 0    | 1      | 0   |       |       |        |       |           |
| GRATIN                    | 132   | 102            | 0      | 11     | 0     | 2    | 0    | 0    | 17     | 0   |       |       |        |       |           |
| IRON                      | 155   | 4              | 0      | 0      | 0     | 151  | 0    | 0    | x      | 0   |       |       |        |       |           |
| ISABELLA                  | 3     | 7              | 0      | 0      | 0     | 0    | 0    | 0    | x      | 0   |       |       |        |       |           |
| KALKASKA                  | 118   | 60             | 0      | 5      | 0     | 38   | 0    | 0    | 15     | 0   |       |       |        |       |           |
| LAKE                      | 248   | 101            | 0      | 6      | 0     | 52   | 0    | 0    | 200    | 0   |       |       |        |       |           |
| LEETANAU                  | 27    | 21             | 0      | 1      | 0     | 0    | 0    | 0    | 6      | 0   |       |       |        |       |           |
| MANISTEE                  | 916   | 168            | 0      | 11     | 0     | 13   | 0    | 0    | 124    | 0   |       |       |        |       |           |
| MARIN                     | 159   | 76             | 0      | 7      | 0     | 1    | 0    | 0    | 75     | 0   |       |       |        |       |           |
| MECOSTA                   | 209   | 153            | 0      | 2      | 0     | 22   | 0    | 0    | 31     | 0   |       |       |        |       |           |
| MIDLAND                   | 0     | x              | 0      | 0      | 0     | 0    | 0    | 0    | 0      | 0   |       |       |        |       |           |
| MUSKALIEK                 | 103   | 75             | 0      | 5      | 0     | 5    | 0    | 0    | 17     | 0   |       |       |        |       |           |
| MONTMORNEY                | 410   | 166            | 2      | 21     | 0     | 110  | x    | 0    | 111    | 0   |       |       |        |       |           |
| NEWAYGO                   | 701   | 157            | 0      | 3      | 0     | 11   | 0    | 0    | 108    | 0   |       |       |        |       |           |
| OCALA                     | 01    | 52             | 0      | 1      | 0     | 10   | 0    | 0    | 28     | 0   |       |       |        |       |           |
| OCALA                     | 109   | 49             | 0      | x      | 0     | 72   | 0    | 0    | 19     | 0   |       |       |        |       |           |
| OCALA                     | 260   | 159            | 0      | 2      | 0     | 3    | 0    | 0    | 97     | 0   |       |       |        |       |           |
| OCALA                     | 474   | 294            | 1      | 24     | 0     | 66   | x    | 0    | 86     | 0   |       |       |        |       |           |
| OTSEGO                    | 0     | 7              | 0      | 0      | 0     | 3    | 0    | 0    | 3      | 0   |       |       |        |       |           |
| OTSEGO                    | 167   | 92             | 2      | 30     | 0     | 3    | x    | 0    | 40     | 0   |       |       |        |       |           |
| OTSEGO                    | 516   | 302            | 0      | 5      | 0     | 54   | 0    | 0    | 151    | 0   |       |       |        |       |           |
| OTSEGO                    | 146   | 59             | 0      | 5      | 0     | 70   | 0    | 0    | 52     | 0   |       |       |        |       |           |
| TOTAL                     | 5660  | 2251           | 16     | 249    | 0     | 881  | 1    | 0    | 1441   | 0   |       |       |        |       | 213       |
| <b>S. LOWER PENINSULA</b> |       |                |        |        |       |      |      |      |        |     |       |       |        |       |           |
| ALLEGAN                   | 8     | 3              | 0      | 0      | 0     | 0    | 0    | 0    | 5      | 0   |       |       |        |       |           |
| BARB                      | 7     | 0              | 0      | 0      | 0     | 0    | 0    | 0    | 2      | 0   |       |       |        |       |           |
| BRENT                     | 0     | 0              | 0      | 0      | 0     | 0    | 0    | 0    | x      | 0   |       |       |        |       |           |
| CASS                      | 11    | 0              | 0      | 0      | 0     | 0    | 10   | 0    | 1      | 0   |       |       |        |       |           |
| GRATIN                    | 7     | 5              | 0      | 0      | 0     | 0    | x    | 0    | 2      | 0   |       |       |        |       |           |
| IONIA                     | 1     | 1              | 0      | 0      | 0     | 0    | 0    | 0    | x      | 0   |       |       |        |       |           |
| KALAMAZOO                 | 4     | 3              | 0      | 0      | 0     | 0    | 0    | 0    | 1      | 0   |       |       |        |       |           |
| KENT                      | 2     | x              | 0      | 0      | 0     | 0    | 1    | 0    | 1      | 0   |       |       |        |       |           |
| LENAWEE                   | 0     | 0              | 0      | 0      | 0     | 0    | 0    | 0    | x      | 0   |       |       |        |       |           |
| MONTGOMERY                | 94    | 73             | 0      | 0      | 0     | 3    | 0    | 0    | 10     | 0   |       |       |        |       |           |
| MUSKEGOM                  | 90    | 7              | 0      | 0      | 0     | 78   | 0    | 0    | 14     | 0   |       |       |        |       |           |
| OAKLAND                   | 0     | 0              | 0      | 0      | 0     | 0    | 0    | 0    | x      | 0   |       |       |        |       |           |
| OTTAWA                    | 34    | x              | 0      | 0      | 0     | 0    | 33   | 0    | 1      | 0   |       |       |        |       |           |
| SAGINAW                   | 0     | x              | 0      | 0      | 0     | 0    | 0    | 0    | 0      | x   | 0     |       |        |       |           |
| SANILAC                   | 0     | x              | 0      | 0      | 0     | 0    | 0    | 0    | 0      | x   | 0     |       |        |       |           |
| VAN BUREN                 | 6     | 5              | 0      | 0      | 0     | 0    | 0    | 0    | 1      | 0   |       |       |        |       |           |
| TOTAL                     | 672   | 97             | 0      | 0      | 0     | 125  | 0    | 0    | 46     | 0   |       |       |        |       | 404       |
| STATE TOTAL               | 15954 | 6077           | 685    | 545    | 574   | 2035 | 444  | 50   | 7654   | 0   |       |       |        |       | 1767      |

1/ INCLUDES ONLY THOSE COUNTIES THAT SUPPLIED PULPWOOD IN 1973.

2/ COUNTY FIGURES ARE NOT AVAILABLE.

x=LESS THAN 50 CORDS.

(CONTINUED ON NEXT PAGE)

## MINNESOTA

| UNIT<br>AND COUNTY     | IV | ALL          | ASPEN       | BALSAM     | BIRCH      | HEM-<br>LOCK | PINF        | SPRUCE      | TAM-<br>ARACK | MTSC.      | HDWDS.   | CEDAR | RESIDUES    | ? |
|------------------------|----|--------------|-------------|------------|------------|--------------|-------------|-------------|---------------|------------|----------|-------|-------------|---|
| SPECIES                |    |              |             |            |            |              |             |             |               |            |          |       |             |   |
| <b>NORTHWESTERN</b>    |    |              |             |            |            |              |             |             |               |            |          |       |             |   |
| CARLTON                |    | 464          | 379         | 5          | 47         | 0            | 22          | 6           | X             | 5          | 0        |       |             |   |
| COOK                   |    | 292          | 20          | 9          | 0          | 0            | 48          | 200         | 0             | 15         | 0        |       |             |   |
| LAKE                   |    | 772          | 262         | 4          | 28         | 0            | 277         | 201         | X             | 0          | 0        |       |             |   |
| PINE                   |    | 153          | 135         | X          | 4          | 0            | 14          | X           | 0             | 0          | 0        |       |             |   |
| ST. LOUIS              |    | 3597         | 2047        | 113        | 87         | 0            | 774         | 419         | 39            | 118        | 0        |       |             |   |
| <b>TOTAL</b>           |    | <b>5457</b>  | <b>2843</b> | <b>131</b> | <b>166</b> | <b>0</b>     | <b>1135</b> | <b>826</b>  | <b>39</b>     | <b>138</b> | <b>0</b> |       | <b>179</b>  |   |
| <b>CENTRAL PINE</b>    |    |              |             |            |            |              |             |             |               |            |          |       |             |   |
| AITKIN                 |    | 304          | 217         | 6          | 24         | 0            | 9           | 16          | 32            | 0          | 0        |       |             |   |
| ANTRIM                 |    | 16           | 2           | 2          | 0          | 0            | 11          | 1           | 0             | 0          | 0        |       |             |   |
| BEAUFORT               |    | 945          | 514         | 92         | 75         | 0            | 124         | 122         | 14            | 4          | 0        |       |             |   |
| CASS                   |    | 517          | 295         | 9          | 42         | 0            | 142         | 13          | 16            | 0          | 0        |       |             |   |
| CLEARWATER             |    | 312          | 225         | 1          | 9          | 0            | 27          | 30          | 21            | 0          | 0        |       |             |   |
| CHOKING WING           |    | 144          | 51          | X          | 4          | 0            | 89          | 0           | 0             | 0          | 0        |       |             |   |
| GRANGEVILLE            |    | 400          | 283         | 3          | 2          | 0            | 101         | 2           | 9             | 0          | 0        |       |             |   |
| ITASCA                 |    | 1214         | 612         | 167        | 74         | 0            | 118         | 172         | 65            | 6          | 0        |       |             |   |
| MANOMA                 |    | 65           | R           | 0          | 0          | 0            | 57          | 0           | 0             | 0          | 0        |       |             |   |
| <b>TOTAL</b>           |    | <b>4468</b>  | <b>2207</b> | <b>280</b> | <b>234</b> | <b>0</b>     | <b>678</b>  | <b>356</b>  | <b>157</b>    | <b>10</b>  | <b>0</b> |       | <b>546</b>  |   |
| <b>RAINY RIVER</b>     |    |              |             |            |            |              |             |             |               |            |          |       |             |   |
| KANGAHLING             |    | 2773         | 1362        | 241        | 12         | 0            | 133         | 763         | 104           | 158        | 0        |       |             |   |
| LAKE OF THE WOODS      |    | 256          | 52          | 2          | 0          | 0            | 31          | 160         | 3             | R          | 0        |       |             |   |
| <b>TOTAL</b>           |    | <b>3155</b>  | <b>1414</b> | <b>243</b> | <b>12</b>  | <b>0</b>     | <b>164</b>  | <b>923</b>  | <b>107</b>    | <b>166</b> | <b>0</b> |       | <b>126</b>  |   |
| <b>SOUTHEASTERN</b>    |    |              |             |            |            |              |             |             |               |            |          |       |             |   |
| HENNEPIN               |    | 5            | 0           | 0          | 0          | 0            | 0           | 0           | 0             | 5          | 0        |       |             |   |
| KANABER                |    | 21           | 21          | 0          | 0          | 0            | 0           | 0           | 0             | 0          | 0        |       |             |   |
| MILLE LACS             |    | 193          | 173         | 0          | 7          | 0            | 0           | X           | 8             | 10         | 0        |       |             |   |
| MORRISON               |    | 57           | 44          | 0          | 2          | 0            | 11          | 0           | 0             | 0          | 0        |       |             |   |
| ST. CLOUD              |    | 3            | 0           | 0          | 0          | 0            | 3           | 0           | 0             | 0          | 0        |       |             |   |
| WAKASHA                |    | 12           | 0           | 0          | 0          | 0            | 0           | 0           | 0             | 12         | 0        |       |             |   |
| WINTONIA               |    | 19           | 0           | 0          | 0          | 0            | 0           | 0           | 0             | 19         | 0        |       |             |   |
| <b>TOTAL</b>           |    | <b>528</b>   | <b>238</b>  | <b>0</b>   | <b>4</b>   | <b>0</b>     | <b>14</b>   | <b>0</b>    | <b>8</b>      | <b>46</b>  | <b>0</b> |       | <b>213</b>  |   |
| <b>WESTERN PLATEAU</b> |    |              |             |            |            |              |             |             |               |            |          |       |             |   |
| MARNOMEN               |    | 7            | 4           | 0          | 0          | 0            | 0           | 0           | 3             | 0          | 0        |       |             |   |
| WOL                    |    | 31           | 0           | 0          | 0          | 0            | 1           | 23          | 7             | 0          | 0        |       |             |   |
| WOSAU                  |    | 105          | 19          | 1          | 0          | 0            | 58          | 25          | 2             | 0          | 0        |       |             |   |
| <b>TOTAL</b>           |    | <b>141</b>   | <b>23</b>   | <b>1</b>   | <b>0</b>   | <b>0</b>     | <b>59</b>   | <b>48</b>   | <b>12</b>     | <b>0</b>   | <b>0</b> |       | <b>18</b>   |   |
| <b>STATE TOTAL</b>     |    | <b>13764</b> | <b>6725</b> | <b>655</b> | <b>421</b> | <b>0</b>     | <b>2050</b> | <b>2153</b> | <b>323</b>    | <b>360</b> | <b>0</b> |       | <b>1082</b> |   |

?/ INCLUDES ONLY THOSE COUNTIES THAT SUPPLIED PULPWOOD IN 1973.

?/ COUNTY FIGURES ARE NOT AVAILABLE.

X=LESS THAN 50 CORDS.

(CONTINUED ON NEXT PAGE)

## WISCONSIN

| UNIT                 | 1/           | ALL         | 2/         | SPECIES    | ASPEN      | BAISAM      | BIRCH      | 3/        | HEM-        | LOCK     | PINE | SPRUCE | TAM- | MISC. | 4/ | CEDAR | 5/          |
|----------------------|--------------|-------------|------------|------------|------------|-------------|------------|-----------|-------------|----------|------|--------|------|-------|----|-------|-------------|
| <b>NORTH-EASTERN</b> |              |             |            |            |            |             |            |           |             |          |      |        |      |       |    |       |             |
| FLORENCE             | 477          | 278         | 11         | 7          | 26         | 28          | 6          | 1         | 120         | 0        |      |        |      |       |    |       |             |
| FOREST               | 456          | 407         | 83         | 19         | 48         | 37          | 23         | 2         | 241         | 0        |      |        |      |       |    |       |             |
| LAMARADE             | 435          | 8           | 16         | 17         | 5          | 3           | 3          | 175       | 0           |          |      |        |      |       |    |       |             |
| LINCOLN              | 1111         | 568         | 79         | 37         | 19         | 102         | 8          | 1         | 237         | 0        |      |        |      |       |    |       |             |
| MARINETTE            | 489          | 595         | 59         | 12         | 8          | 82          | 22         | x         | 111         | 0        |      |        |      |       |    |       |             |
| MCDONALD             | 122          | 259         | 1          | 3          | 0          | 26          | x          | x         | 24          | 0        |      |        |      |       |    |       |             |
| WISCONSIN            | 1796         | 403         | 101        | 77         | 25         | 42          | 34         | 2         | 272         | 0        |      |        |      |       |    |       |             |
| SHAWANO 7/           | 278          | 119         | 1          | 1          | 56         | 11          | x          | x         | 90          | 0        |      |        |      |       |    |       |             |
| VILAS                | 404          | 345         | 77         | 128        | 7          | 54          | 7          | x         | 226         | 0        |      |        |      |       |    |       |             |
| <b>TOTAL</b>         | <b>7449</b>  | <b>3405</b> | <b>340</b> | <b>300</b> | <b>211</b> | <b>427</b>  | <b>103</b> | <b>9</b>  | <b>1496</b> | <b>0</b> |      |        |      |       |    |       | <b>794</b>  |
| <b>NORTHWESTERN</b>  |              |             |            |            |            |             |            |           |             |          |      |        |      |       |    |       |             |
| ASHLAND              | 402          | 376         | 121        | 35         | 17         | 50          | 23         | 1         | 179         | 0        |      |        |      |       |    |       |             |
| BARON                | 9            | 0           | 0          | 1          | 0          | 0           | 0          | 0         | 8           | 0        |      |        |      |       |    |       |             |
| HAYFIELD             | 1100         | 457         | 22         | 47         | 6          | 258         | 7          | x         | 61          | 0        |      |        |      |       |    |       |             |
| HINNEMAN             | 158          | 4           | 0          | 1          | 0          | 152         | 0          | 1         | 0           | 0        |      |        |      |       |    |       |             |
| DOUGLAS              | 749          | 471         | 3          | 16         | x          | 239         | 4          | x         | 16          | 0        |      |        |      |       |    |       |             |
| IRON                 | 457          | 495         | 23         | 42         | 16         | 2           | 5          | 0         | 74          | 0        |      |        |      |       |    |       |             |
| POLK                 | 33           | 5           | 0          | 0          | 0          | 28          | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| WISCE                | 1297         | 401         | 71         | 107        | 16         | 35          | 12         | x         | 255         | 0        |      |        |      |       |    |       |             |
| PLUM                 | 148          | 77          | x          | 7          | 1          | 2           | 0          | 0         | 61          | 0        |      |        |      |       |    |       |             |
| SAWYER               | 455          | 176         | 71         | 63         | 7          | 57          | 9          | 0         | 72          | 0        |      |        |      |       |    |       |             |
| TAYLOR               | 424          | 224         | 12         | 33         | 32         | 24          | 2          | x         | 297         | 0        |      |        |      |       |    |       |             |
| WASHBURN             | 203          | 25          | 1          | 2          | 0          | 154         | x          | 1         | 20          | 0        |      |        |      |       |    |       |             |
| <b>TOTAL</b>         | <b>6549</b>  | <b>3307</b> | <b>324</b> | <b>404</b> | <b>95</b>  | <b>1001</b> | <b>58</b>  | <b>3</b>  | <b>1047</b> | <b>0</b> |      |        |      |       |    |       | <b>314</b>  |
| <b>CENTRAL</b>       |              |             |            |            |            |             |            |           |             |          |      |        |      |       |    |       |             |
| ADAMS                | 267          | 22          | 0          | x          | 0          | 184         | 0          | x         | 161         | 0        |      |        |      |       |    |       |             |
| CHIPEWA              | 57           | 16          | 1          | 5          | 4          | 3           | 0          | x         | 28          | 0        |      |        |      |       |    |       |             |
| CLARK                | 280          | 59          | x          | x          | 1          | 38          | 0          | 0         | 182         | 0        |      |        |      |       |    |       |             |
| EAU CLAIRE           | 21           | 2           | 0          | 0          | 0          | 19          | 0          | 0         | x           | 0        |      |        |      |       |    |       |             |
| JACKSON              | 249          | 6           | 0          | x          | 0          | 229         | 0          | x         | 14          | 0        |      |        |      |       |    |       |             |
| JUNEAU               | 129          | 45          | 0          | 1          | 0          | 141         | 0          | 0         | 142         | 0        |      |        |      |       |    |       |             |
| MARATHON             | 458          | 226         | 4          | 4          | 0          | 18          | x          | 0         | 397         | 0        |      |        |      |       |    |       |             |
| MARINETTE            | 97           | 1           | 0          | 0          | 0          | 8           | 0          | 0         | 88          | 0        |      |        |      |       |    |       |             |
| MICHAEL              | 24           | 2           | 0          | 0          | 0          | 17          | 0          | 0         | 5           | 0        |      |        |      |       |    |       |             |
| PORTAGE              | 178          | 33          | x          | x          | 2          | 51          | x          | x         | 92          | 0        |      |        |      |       |    |       |             |
| WAUPACA              | 57           | 14          | 2          | 4          | x          | 13          | 0          | 0         | 24          | 0        |      |        |      |       |    |       |             |
| WAUSHARA             | 79           | 1           | 0          | 0          | 0          | 47          | x          | 0         | 31          | 0        |      |        |      |       |    |       |             |
| WOOD                 | 705          | 29          | x          | 1          | 0          | 80          | x          | x         | 195         | 0        |      |        |      |       |    |       |             |
| <b>TOTAL</b>         | <b>3010</b>  | <b>456</b>  | <b>7</b>   | <b>14</b>  | <b>17</b>  | <b>A48</b>  | <b>0</b>   | <b>0</b>  | <b>1359</b> | <b>0</b> |      |        |      |       |    |       | <b>309</b>  |
| <b>SOUTHWESTERN</b>  |              |             |            |            |            |             |            |           |             |          |      |        |      |       |    |       |             |
| BUFFALO              | 1            | 0           | 0          | 0          | 0          | 1           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| DUANE                | 3            | x           | 0          | 0          | 0          | 3           | 0          | 0         | x           | 0        |      |        |      |       |    |       |             |
| GRANT                | 80           | 12          | 0          | 5          | 0          | 0           | 0          | 0         | 62          | 0        |      |        |      |       |    |       |             |
| LACROSSE             | 2            | 0           | 0          | 0          | 0          | 2           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| PEPIN                | 6            | 0           | 0          | 0          | 0          | 6           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| PIERCE               | 0            | x           | 0          | 0          | 0          | 0           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| MICHIGAN             | 2            | 0           | 0          | 0          | 0          | 2           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| SAIN                 | 32           | 16          | 0          | x          | 0          | 16          | 0          | 0         | x           | 0        |      |        |      |       |    |       |             |
| VERNON               | 0            | x           | 0          | 0          | 0          | 0           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| <b>TOTAL</b>         | <b>757</b>   | <b>28</b>   | <b>0</b>   | <b>6</b>   | <b>0</b>   | <b>30</b>   | <b>0</b>   | <b>0</b>  | <b>62</b>   | <b>0</b> |      |        |      |       |    |       | <b>226</b>  |
| <b>SOUTHEASTERN</b>  |              |             |            |            |            |             |            |           |             |          |      |        |      |       |    |       |             |
| BROWN                | 34           | 12          | 0          | 0          | 2          | 0           | 0          | 0         | 20          | 0        |      |        |      |       |    |       |             |
| COLLIERIA            | 21           | 3           | 0          | x          | 0          | 11          | 0          | 0         | 7           | 0        |      |        |      |       |    |       |             |
| DAUL                 | 7            | 0           | 0          | 0          | 0          | 0           | 0          | 0         | 7           | 0        |      |        |      |       |    |       |             |
| FRONTIER             | 0            | x           | 0          | 0          | 0          | 0           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| GRESHAM              | 0            | 0           | 0          | 0          | 0          | x           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| MILWAUKEE            | 2            | 0           | 0          | 0          | 0          | 0           | 0          | 0         | 2           | 0        |      |        |      |       |    |       |             |
| OUTAGAMIE            | 0            | 0           | 0          | 0          | 0          | 0           | x          | 0         | x           | 0        |      |        |      |       |    |       |             |
| POCK                 | 0            | 0           | 0          | 0          | 0          | x           | 0          | 0         | 0           | 0        |      |        |      |       |    |       |             |
| WASHINGTON           | 1            | 0           | 0          | 0          | 0          | 0           | 0          | 0         | 1           | 0        |      |        |      |       |    |       |             |
| <b>TOTAL</b>         | <b>184</b>   | <b>15</b>   | <b>0</b>   | <b>0</b>   | <b>2</b>   | <b>11</b>   | <b>0</b>   | <b>0</b>  | <b>37</b>   | <b>0</b> |      |        |      |       |    |       | <b>119</b>  |
| <b>STATE TOTAL</b>   | <b>17584</b> | <b>7411</b> | <b>671</b> | <b>724</b> | <b>325</b> | <b>2317</b> | <b>161</b> | <b>12</b> | <b>3997</b> | <b>0</b> |      |        |      |       |    |       | <b>1765</b> |

1/ INCLUDES ONLY THOSE COUNTIES THAT SHIPPED PULPWOOD IN 1973.

2/ COUNTY FIGURES ARE NOT AVAILABLE.

3/ INCLUDES MENDOTTE COUNTY.

4/ LESS THAN 50 CORDS.

Blyth, James E.

1975. Pulpwood production in the North Central Region,  
1973. North Cent. For. Exp. Stn., St. Paul, Minn.,  
16 p., illus. (USDA For. Serv. Resour. Bull. NC-27)

Presents 1973 pulpwood production and receipt data for the Lake States and Central States. Pulpwood production for the Lake States is given by species for each county, and production by Forest Survey Unit is compared with that of previous years. For the Central States, 1973 pulpwood production and receipt data are presented by State, and four production classes are shown by county.

OXFORD: 861.0(77):721:792. KEY WORDS: roundwood, residue, receipts, Lake States, Central States.

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